**Epidemiology (EPID)**

**Graduate Degree Program**
College: Public Health

**Abstract**
The Department of Epidemiology and Biostatistics offers a Ph.D. program in Epidemiology. Students in the Ph.D. program in Epidemiology master core knowledge in epidemiologic and biostatistical methods related to the design, implementation and evaluation of public health studies surrounding psychosocial, behavioral, biological, and cultural factors. Students may work with their advisor to design their own research specialization or they may apply to one of our two specializations:

1. Social Epidemiology
2. Environmental Epidemiology

Our students have full access to faculty who will guide you through all phases of the program to ensure your educational goals are met. Our Washington, DC area location provides unparalleled opportunities for research experiences in public health, including placements at the U.S. Department of Health and Human Services (e.g., National Institutes of Health, National Center for Health Statistics), Children's National Medical Center, the Maryland Department of Health and Mental Hygiene, and many other national, state, and local health agencies.

**Financial Assistance**
The Department offers a limited number of fellowships, and graduate teaching and research assistantships.

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**Email:** xinhe@umd.edu

**Website:** [http://sph.umd.edu/department/epib](http://sph.umd.edu/department/epib)

**Courses:**
- EPIB ([https://umd-curr.courseleaf.com/graduate/courses/epib](https://umd-curr.courseleaf.com/graduate/courses/epib))
- SPHL ([https://umd-curr.courseleaf.com/graduate/courses/sphl](https://umd-curr.courseleaf.com/graduate/courses/sphl))

**Relationships:**
- Biostatistics (BIOS) ([https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/](https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/))
- Epidemiology (EPDM) ([https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/](https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/))

**Admissions**
The Ph.D. in Epidemiology program has a two-step application process. Applicants first submit the SOPHAS application ([https://sophas.org](https://sophas.org)), the centralized application service for schools and programs of public health (Step 1). Once the SOPHAS application has been verified applicants will submit their UMD Supplemental application (Step 2). Applicants will receive an email from the SPH Admissions team with instructions for how to complete the UMD Supplemental Application. Applications will not be reviewed until both the SOPHAS and UMD Supplemental applications are completed.

**General Admission Requirements**
- Minimum 3.0 undergraduate GPA
- Transcripts from all previous coursework
- English proficiency test score (TOEFL, IELTS or PTE) (international applicants ([https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/](https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/))
- Statement of purpose and objectives including career and educational goals, professional experience, and research areas of interest

**Program Specific Requirements**
- SOPHAS application (Step 1) & UMD Supplemental application (Step 2)
- Three letters of recommendation
- Resume or curriculum vitae
- A master's degree in public health or a related field
- A writing sample, such as a published manuscript, master's thesis, research paper, etc. If you submit a published manuscript and you are not the first author, please describe the contributions you made to the publication.
- Fit between applicant's goals, expectations and research interests, program competencies and faculty expertise
- Official GRE Test Score submission is required. GRE taken within the past 5 years should be in the 50th percentile or higher. Please have ETS send scores to SOPHAS (code 0485) and UMD (code 5814).

For detailed instructions on how to submit your application, please visit the School of Public Health Website: [https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process/](https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process/).

**Application Deadlines**

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tr>
<td>Domestic Applicants</td>
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<td>US Citizens and Permanent Residents</td>
<td>SOPHAS - Priority: 12 Nov / Final: 11 Feb</td>
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<td>Supplemental - Priority: 10 Dec / Final: 11 Mar</td>
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<td>International Applicants</td>
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<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>SOPHAS - Priority: 12 Nov / Final: 11 Feb</td>
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**Program Website:** [https://sph.umd.edu/academics/doctoral-degrees/phd-epidemiology](https://sph.umd.edu/academics/doctoral-degrees/phd-epidemiology)

**Application Process:** [https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process](https://sph.umd.edu/admissions/graduate-admissions/graduate-application-process)
Admissions FAQ: https://sph.umd.edu/admissions/graduate-admissions/graduate-application-faqs

Requirements

- Epidemiology, Doctor of Philosophy (Ph.D.) (https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid/epidemiology-phd/)

Facilities and Special Resources

The Department of Epidemiology and Biostatistics faculty includes individuals with multi-faceted interests in both epidemiology and biostatistics. Our faculty have research interests and expertise in the epidemiology of infectious disease and chronic disease with particular focus in the areas of HIV/STIs, cancer, health disparities, cardiovascular disease, obesity/physical activity, and sexual and reproductive health. Additional areas of specialization include social and behavioral determinants of health, aging, cultural competency, and community-based interventions. Biostatistics faculty apply statistical techniques including survival and longitudinal analysis, computational statistics, statistical analysis of genomic and proteomic data, machine learning, neuroimaging statistics, (network) meta-analysis, missing data analysis, Bayesian hierarchical methods, and bioinformatics to analyze and interpret health data.